

AMENDMENTS

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. - 12. Canceled.

13. (Original) An apparatus for transmitting radiation of multiple wavelengths, comprising:

a first input channel carrying radiation of one or more wavelengths;

a first output channel;

a second input channel carrying radiation of a first wavelength to be added;

a second output channel for receiving radiation of at least one wavelength that is to be dropped; and

a switch member having a plurality of filters, wherein the switch member is movable among a plurality of positions;

a first connecting channel, wherein when the switch member is in a first position, the radiation carried by the first input channel and the second input channel reaches a first filter, the first filter passes radiation of a predetermined wavelength in the radiation carried by the first input channel to the second output channel and reflects the remaining wavelengths through the first connecting channel, reaching

the first filter and reflected again, the reflected radiation of the remaining wavelengths and the radiation of the first wavelength passing through the first filter are received by the first output channel.

14. (Original) The apparatus as claimed in claim 13, wherein the predetermined wavelength and the first wavelength are in the same waveband, but are different from the wavebands of the other wavelengths in the radiation carried by the first input channel.

15. (Original) The apparatus as claimed in claim 13, wherein the first input channel is substantially aligned with the second output channel, and the second input channel is substantially aligned with the first output channel.

16. (Original) The apparatus as claimed in claim 13, wherein the first input channel is substantially aligned with the first connecting channel, and the first connecting channel is substantially aligned with the first output channel.

17. (Original) The apparatus as claimed in claim 13, wherein the first filter passes the radiation of the first and the predetermined wavelength and reflects all of the wavelengths except for the radiation of the first and the predetermined wavelength.

18. (Original) The apparatus as claimed in claim 13, wherein the switch member has a radiation reflective portion, when the switch member is in a second position, the radiation carried by the first input channel is reflected into the first connecting channel by the radiation reflective

portion, the radiation passing through the first connecting channel reaches the radiation reflective portion and is reflected into the first output channel.

19. (Original) The apparatus as claimed in claim 18, further comprising a second connecting channel, wherein when the switch member is in the second position, the radiation of the first wavelength carried by the second input channel is reflected into the second connecting channel by the radiation reflective portion, the radiation passing through the second connecting channel reaches the radiation reflective portion again, reflected into second output channel.

20. (Original) The apparatus as claimed in claim 19, wherein the second input channel is substantially aligned with the second connecting channel, and the second connecting channel is substantially aligned with the second output channel.

21. (Original) The apparatus as claimed in claim 18, wherein the first input channel, the first output channel and the first connecting channel are formed by a four-fiber collimator, the first connecting channel is formed by two fused fibers of the four-fiber collimator.

22. – 30. Canceled